BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads at Raja Beedi and Doddabommasandra in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub**

	010-17-000004	P0190				Estimate Cost:		2400000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2014-16**	Cum							
	For CC Road Raja Beedi		1	85.00	3.50	0.15	44.63		
			1	45.00	3.00	0.15	20.25		
			1	62.00	2.70	0.20	33.48		
			1	100.00	4.50	0.15	67.50		
			1	7.00	3.60	0.15	3.78		
			1	15.00	3.20	0.15	7.20		
			1	15.00	2.60	0.15	5.85		
			1	17.00	2.70	0.15	6.89		
			1	14.00	3.00	0.15	6.30		
			1	45.00	2.80	0.20	25.20		
			1	16.00	2.80	0.15	6.72		
							227.79	83.16	**18943.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	For CC Road Raja Beedi		1	85.00	3.50	0.15	44.63		
			1	45.00	3.00	0.15	20.25		
			1	62.00	2.70	0.15	25.11		
			1	100.00	4.50	0.15	67.50		
			1	7.00	3.60	0.15	3.78		
			1	15.00	3.20	0.15	7.20		
			1	15.00	2.60	0.15	5.85		
			1	17.00	2.70	0.15	6.89		
			1	14.00	3.00	0.15	6.30		
			1	45.00	2.80	0.15	18.90		
			1	16.00	2.80	0.15	6.72		
							213.12	5070.60	**1080646.00**
	Basic Rate	4695.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification **M20 (at 300 kg per cum coarse aggregate @ 0.69 cum and fine**	Cum							
	For CC Road Raja Beedi		1	85.00	3.50	0.125	37.19		
			1	45.00	3.00	0.125	16.88		
			1	62.00	2.70	0.125	20.93		
			1	100.00	4.50	0.125	56.25		
			1	7.00	3.60	0.125	3.15		
			1	15.00	3.20	0.125	6.00		
			1	15.00	2.60	0.125	4.88		
			1	17.00	2.70	0.125	5.74		
			1	14.00	3.00	0.125	5.25		
			1	45.00	2.80	0.125	15.75		
			1	16.00	2.80	0.125	5.60		
							177.60	5287.68	**939092.00**
	Basic Rate	4896.00							
	Area Weightage @ 8%	391.68							
	Total	**5287.68**							
4	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **174 / Item No. 22.7 / PWD SR 2015-**	Sqm							
	For CC Road Raja Beedi		1	85.00	3.50		297.50		
			1	45.00	3.00		135.00		
			1	62.00	2.70		167.40		
			1	100.00	4.50		450.00		
			1	7.00	3.60		25.20		
			1	15.00	3.20		48.00		
			1	15.00	2.60		39.00		
			1	17.00	2.70		45.90		
			1	14.00	3.00		42.00		
			1	45.00	2.80		126.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	16.00	2.80		44.80		
							1420.80	97.20	**138102.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
5	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Vide Item No. 1				**227.79**	106.34	**24222.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
	Sub Total								**2201005.00**
	KRIDL Charges @ 8%								**176080.00**
	Third Party inspection Charges @ 1%								**22010.00**
	Miscellaneous and other Charges	L/S							**905.00**
								Total	**2400000.00**

Rupees Twenty Four Lakh(s) Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 This work included under 2016-17 Mayor Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Seetha
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

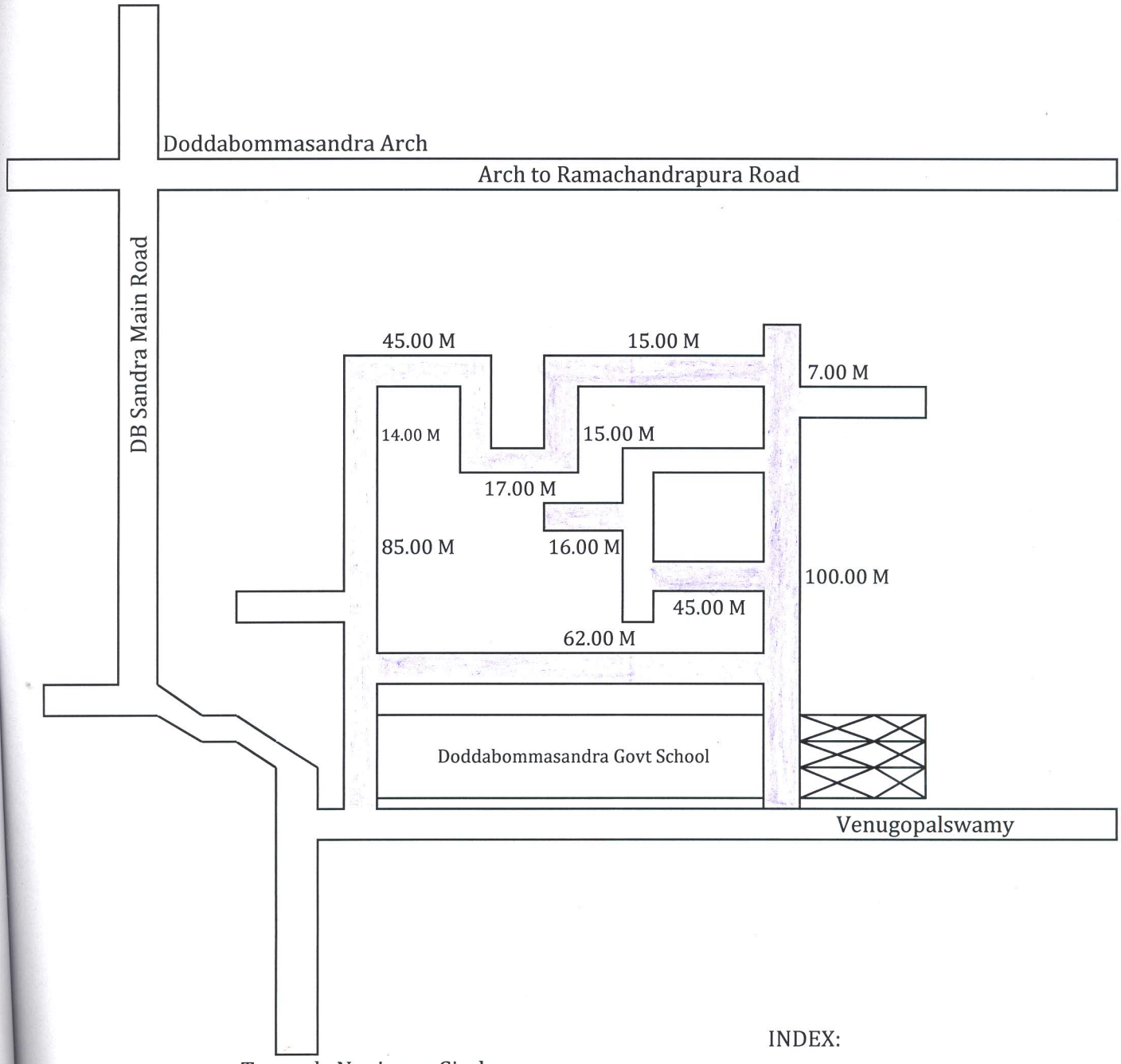
Administrative Approval
Accorded For "24.00" lakh Rs
Head of A/C.... P0190
CER NO :.....23..... Dt:..17.08.16

TA CE (YNK)

Technical Sanction
Accorded For "24.00" lakh Rs
Head of A/C.... P0190
CER NO :.....31..... Dt:..17.08.16

TA CE (YNK)

Sketch Showing the Work of Improvements to Roads at Raja Beedi and Doddabommasandra in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



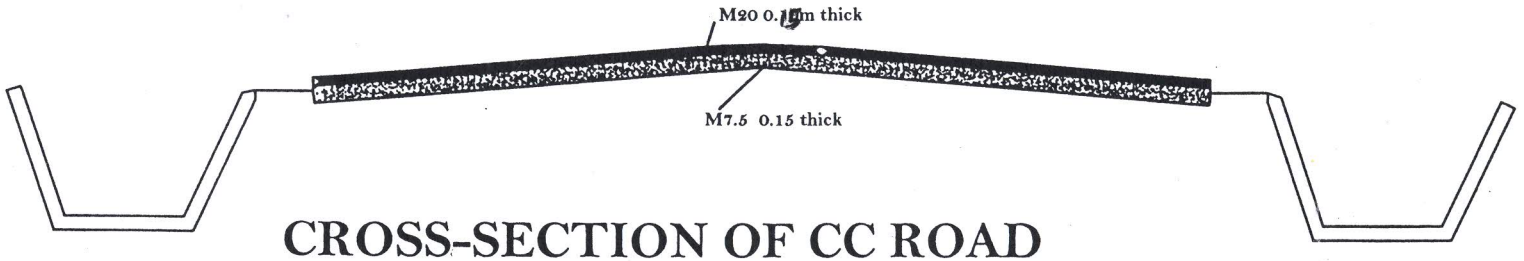
INDEX:

- Proposed CC Road

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

NAME OF WORK:-



CROSS-SECTION OF CC ROAD

INDEX

M7.5 1:4:8 0.15m Thick

M20 1:1.5:3 0.10m Thick

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.